THE TECH

VOL. XXXIII. NO. 90.

BOSTON, MASS., TUESDAY, DECEMBER 2, 1913.

PRICE TWO CENTS

INSTITUTE COMMITTEE IN LONG SESSION

Walker Memorial Committee Appointed—Rifle Club's Petition Refused.

The Institute Committee held a regular meeting yesterday afternoon in 8 Eng. C. A large amount of busi-ness was on hand and the session lasted till six o'clock. After the sec-retary had read the minutes of last meeting, reports were heard from various committees. Snow of the Point System Committee reported that an investigation had been made of nearly all the organizations and that no men has been found to be carrying more than ten points. Soon a list of the presidents and secretaries of all the organizations is to be posted in the Union so that everyone can see them. The Bulletin Board Committee reported that all back posters have been cleared off the boards and that herafter all posters must be of the regulation size as posted in the Union. Reports were also heard from Entertainment Committee and the committee appointed to distribute the committee appointed to distribute the remaining copies of the 1910 Technique, which consists of M. G. Mann and J. W. Burford. A committee to distribute the remaining copies of "Concerning M. I. T." was appointed, F. Whitney '14, P. H. Duff '16, D. E. Bell '17 are the members.

The question was then brought up whether the Sonbonuces should have

The question was then brought up whether the Sophomores should have representation in the Institute Committee. At present they are not represented as they failed to elect representatives as provided by the constitution of the Institute Committee. The motion was passed that they

should have representation.

The Rifle Club put up an eloquent plea to be recognized by the Insti(Continued on page 3.)

M. E. TALK POSTPONED

E. B. Germain Called Out Of City-Trips Are Being Planned.

The meeting of the Mechanical Engineering Society which was scheduled for Dec. 3 has been postponed indefinitely. Mr. E. B. Germain '13, who was to give a talk on "The Building of a Concrete Structure in Practice," has been called to Pittsburg on business, which makes it impossible for him to keep his engagement. The Society will endeavor to have Mr. Germain speak in the near future, however.

Some very interesting trips around Boston are being planned, although nothing definite can be stated at this time. Notices of these trips will appear in THE TECH when they have been decided upon. The question of admitting first term Sophomores will be brought up at the next meeting.

SOPHOMORE GOV. BOARD

The first meeting of this year's Sophomore Governing Board will be held today at 1 P. M. in 21 Rogers. The subjects of class dinner and class pipes, and a number of other important matters are to come up, and it is important that every member of the Board be present.

MR. LOUIS K. ROURKE '95 TO ADDRESS THE CIVILS

Will Discuss The Work Of His Department From Business Standpoint.

Commissioner of Public Works Louis K. Rourke is to be the speaker at the next meeting of the Civil Engineering Society. The meeting will be in the Union at 8 o'clock next Thursday, and is to be a smoker, with the wherewithal of smoking provided free. Mr. Rourke, M. I. T. '95, will discuss his work as Commissioner here in Boston, considering the matter more from the business than from the engineering standpoint. He is well known as a speaker at the Institute, having spoken before the Catholic Club two years ago on the Panama Canal, with whose engineering corps he was connected before be took up work is his present position and before the fellows at summer camp last summer upon the same subject. Mr. Rourke visited the summer camp over Labor Day, and the fellows were much interested by the informal talk which he gave.

formal talk which he gave.

The officers of the Society announce that there are still a number of pins to be disposed of, the price being one dollar per pin, and that all new men who have not as yet signed the constitution will have an opportunity to do so at this meeting.

LATIN-AMERICANS DINE

Permanent Constitution Adopted-Officers Elected.

The Latin-American Club held its first dinner at the Hotel Westminster last night. The affair was presided over by R. Alfaro '16, who was later elected president of the Club, and who presided over the business meeting as well.

At the business meeting much was accomplished. J. Moreno'14 read the constitution which the committee had drawn up, and this was adopted as permanent. The purpose of the Club was designated as being to increase the friendly relations between the Latin-Aemrican students at Tech, and students in preparatory schools around Boston who intend later to enter the Institute.

Permanent officers were elected to replace the committee which has been taking care of the affairs of the Club. They are: President, R. Alfaro '16; Vice-president, J. G. Moreno '14; Sec.-Treas., A. Longoria '14; Class Representatives: 1914, E. Garza; 1915, P. Pizzorno; 1916, G. Saladrigas; 1917, V. Checa.

FIELD CLOSES TOMORROW

Tech Field will be closed for the season on tomorrow, December 3, and will remain closed until opened for the spring track work.

According to custom everything

According to custom everything left in the lockers will be confiscated. Everyone who wishes to obtain property left at the Field must therefore remove it by tomorrow.

Last opportunity to hear Rev. Dr. Allan A. Stockdale in the Union on Thursday

FIRST MEETING OF HOCKEY CANDIDATES

Forty Men Report To Captain Mc-Leod-Man. Goodell Gives Out Schedule.

Prospects for a successful season appear exceedingly bright for the Hockey Team. Yesterday afternoon forty candidates reported to Captain McLeod at the first meeting in the Union, at which provisional plans were outlined to the men regarding the work for the next few weeks. Pracice will be held twice a week, Wednesday and Sunday evnings at 7 o'clock at the Arena, where new ice will be at the disposal of the men.

E. B. Goodell, manager of the team, gave an outline of the schedule as it now stands. The first game is to be with Tufts at the Arena this coming Saturday night and contests have been definitely arranged with Harvard on the 13th of this month, and with Dartmouth on the 29th. Later on, during the mid-year vacation, Yale, Williams, Syracuse Arena Co. Cornell, and the Army will be played.

Cornell, and the Army will be played.
Besides Captain McLeod '14, centre, W. N. Eichorn '14, point, and R. L. Fletcher, right wing, of last year's team, the following men reported. for forward: J. N. Devitts '14, K. B. Toye '14, L. B. Chadwick '14, N. L. Foster '14, H. A. Miller '17, S. M. Baxter '15, C. D. Winton '17, L. B. Salt '17, A. M. Tabbutt '16, F. H. Ross '16, I. F. Maguire '16, H. C. Edgerton '15, H. Keeler '17, A. E. Hallenstadt '16, E. H. Clarkson '16, H. G. Storke '14, W. A. Grayton '17, P. F. Dudley '17, A. P. Sullivan '17, H. T. Bent '15, C. P. Hawes '17, and R. P. Ware '17: for the defensive: L. H. Delabarre '16, R. C. Lowengard '17, A. E. Moody '17, R. S. Stevens '17, H. S. Thompson '17, C. Cochrane '17, C. W. Holt '17, T. C. Jewett '16, W. R. McEwen '17 and P. W. Gould.

and P. W. Gould.

Several well-known hockey men from high and prep schools are among those out: C. Cochrane, cover for Melrose for two years; C. D. Winton, captain of the Exeter Hockey Team and a former Wellesley High School player; O. W. Holt, point for Arlington; R. P. Ware, who was a forward for Brookline; and P. W. Gould, coverpoint for Newton.

SHOW BUSINESS MANAGER

All Freshman candidates for the position of Asst. Business Manager of Tech Show are to meet business Manager C. R. Lord in the Show office at 4.30 this afternoon. There is still a chance for new candidates both from the Freshman and Sophomore classes.

CATHOLIC CLUB

Tomorrow evening Rev. Francis Muryhy of St. Francis de Sales' Church, Roxbury, will talk to the Catholic Club on "The Church in Italy." The talk will be preceded by a supper in the Union at 6 o'clock.

The trustees and executive committee of the National Educational Association have selected St. Paul for the midsummer convention and expect an attendance of eighteen thousand.

REV. MR. A. A. STOCKDALE TO SPEAK THURSDAY NOON

Union Church Pastor To Discuss Churchill's "The Inside Of The Cup."

The Rev. Mr. Allan A. Stockdale, of the Umon Congregational Church of this city, will be the T. C. A. speaker in the Union this Thursday noon. This will probably be the last time that he will speak to Tech students, as he has resigned his present position to take the pastorate of the First Congregational Church of Toledo, Ohio. Mr. Stockdale has spoken in the Union on several previous occasions, and each time he conducted a "Question Box," answering the various questions asked by the students. Next Thursday, however, he will speak on the subject, "A Minister's Opinon of The Inside of the Cup." "The Inside of the Cup" is one of the best works of Winston Churchill, and in it he makes many frank criticisms of the church.

The book, in brief, consists of the story of a rector, John Hodder, who comes to the conclusions that the church is not meeting the needs of the working people, for the reason that it is run by the money of the

(Continued on page 4.)

TECH SOUTHERN CLUB

Dance At Copley Plaza Hotel On Monday Evening.

The Tech Southern Club announces a dance to be held Monday evening, December 8th, at the Copley Plaza Hotel, as its first big social function for the year. The opening reception, which was held at the Hotel Brunswick, Friday, November 14, with Mayor Fitzgerald and Dean Burton as speakers, proved a great success and was attended by a large crowd: and Pres. Williams promises that the Club is going to be very active this year.

The members feel that there are a

The members feel that there are a large number of Southern men at Tech, and that this dance will give them a good opportunity to meet men and ladies from their own section of the country. The dance will be preceded by a reception which will afford a means of getting acquainted, and is not limited to the Club members.

CALENDAR

Tuesday, December 2, 1913. 1.00—Governing Board—21 Rogers. 4.30—Show Business Manager Candidates—Show Office.

Wednesday, December 3, 1913. 6.00—Catholic Club Meeting—

8.00—Mr. Soper Speaks—2 Commonwealth Avenue.

Thursday, December 4, 1913. 1.30—T. C. A. Speaker—Union. 4.00—Walker Memorial Committee

-Union. 8.00—C E. Society Smoker—Union.

Friday, December 5, 1913. 8.00—Cercle Française Meeting—Room A, Union.

THE TECH

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BUSINESS STAFF
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TUESDAY, DECEMBER 2, 1913.

In Charge of This Issue

Editor-G. W. Wyman '16 Assistants-P. W. MacNeill '15, R. B. Stringfield '15, H. F. McQuaid '17.

Conflicts

After two editorials have been run in this column on the subject of conflicting dates, it rather grieves us that we are obliged to run another; but we feel that the conflict which is due to come between the Harvard hockey game and the Junior dunner should not be allowed to pass without no-On Wednesday last it was announced in a flier at the foot of the first page that the Junior Class would hold its dinner on the thirteenth of this month. Last night the hockey management announced that the biggest game of the year, the game which every Tech man is especially interested to see, would be played on same date.

We wish that blame for such a sit-uation could be definitely placed, but it cannot. The fault is with the lack of system in the arranging of dates, and in the failure of the organizations to follow each other through THF We hope that immediate action will be taken in the case in question. Last year the Harvard games suffered by reason of its proximity to 'Was ist Los''; it would be a shame if this year it met with interference.

Hockey

Tech's hockey team goes on the ice this afternoon, and plays its first game, we understand, on Saturday Although handicapped by the loss of a few stars, the team has at its disposal a promising amount of raw material. Those of who remember the days when we defeated Harvard four points to one will soon he looking for history to repeat itself.

The Contest

The first editorial in the Pi Delta Epsilon contest is due this afternoon at 5 o'clock at the Cage. The con- the back page of Saturday's issue.

ENGINEERING AND SCIENTIFIC NOTES

The purification of air in crowded auditoriums, shops, offices, and especially in sick rooms and hospitals, is a vital problem which is being solved by several totally independent meth-ods. One of the most discussed of these is that of the employment of Ozone is essentially con-"vital air," concentrated ozone. densed oxygen, which is, furthermore, in an extended active chemical state. We give below two widely different opinons of the value of ozone for this purpose, both of which come from authentic sources, and invite expressions of opinion from our readers.

The Journal of Industrial and En-gineering Chemistry contains an editorial concerning the ozone machines which have appeared on the market in late years. The makers of these machines claim: (1) That ozone is an effective air germicide, small quantities being sufficient to sterilize the foul air in sick rooms, etc; (2) that ozone can exist only momentarily in air containing organic matter, and hence its presence is proof that the air is sterile and devoid of animal matter; (3) that ozone has no deletematter; (3) that ozone has no deleterious effects on the higher forms of animal life; (4) that, even in small quantities it is an effective deodorzer; and (5) that it produces an invigorating effect upon those breathing the ozonated air.
On the other hand, recent work,

chiefly by the California State Board of Health and the American Medical Association, has shown: (1) That ozone is of little or no value as a germicide, a higher concentration and alonger longer by the for other a longer length of time than for other methods being necessary for results; (2) that the "deodorizing" effect of ozone is almost entirely due to the masking of the offensive odor by one more pungent odor, and to the deadening and partial anesthesia of the olfactory nerves which it produces; (3) that it is irritating and positively injurious to the mucous membranes of of the respiratory system, and produces headaches, depression and drowsiness. Consequently, they claim that the ozone machine cannot be classed as a hygienic device, and that it has no place in schools, offices, or other place where people remain for a considerable length of time.

COLLEGE NEWS.

It is proposed by a member of the Legislature of the State of Ohio that the name of Ohio State University be changed to Ohio University. The difficulty arises from the fact that there is a small college in Athens, Ohio called Ohio University.

Registration figures at Andover show that the increase of number of students over last year is twenty. The total enrollment is 579, with 107 from the State of Massachusetts. New New York sends 120, and Illinois 33.

Ohio University is to install a one k.w. wireless station and add a course in wireless telegraphy.

test furnishes an opportunity to find out what you can do in this branch of journalism, which no man interested in it can afford to miss. To date, the competition has not been very keen, so that no one need think his chances of winning the five dollars would be slim. This is further insured by the exclusion of members of THE TECH

Now is the time to start. The rules of the contest will be found on



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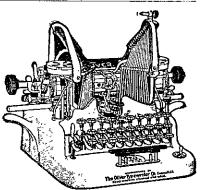
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BACTERIOLOGISTS STUDY PASTEURIZATION METHODS

Class Visits Plant Of C. Brigham Company And Takes Samples.

Yesterday afternoon Prof. Pres cott took his class in Dairy Bacteriology to study the process of milk pasteurization as it is carried on by the C. Brigham Company of Cambridge. Mr. Blair, the manager of the plant, kindly escorted the class over the premises and explained the various operations which the milk undergoes as it travels from the car in which it is brought from the farms to the bot tles and cans in which it is delivered to the customer.

The chief object of the excursion was to have the students ascertain just what happens to the milk during the process of pasteurization, and the bacteriological condition of the milk at the different stages of the operation. For this purpose, seven samples of the milk were taken at each of the following places: the mixing tank: the clarifier: the pumary heattank; the clarifier; the primary heating pipes; the holder; and the supply tanks from which the bottles are filled. These samples were plated out yesterday evening, and in a few days the class will have a fairly accurate idea of the germicidal effect of each operation in the process, as well as of the number and nature of such

bacteria as survive and find their way into the cans and bottles.

The above refers only to the milk that is pasteurized previous to bot-tling. The class examined also the apparatus which sterilizes milk in the bottles. This process is much slower and much more expensive, and at the present time the Company uses this method of pasteurization only for cream and a limted amount of milk All bottles so treated may be recognized by their metal caps, as well as by the extra metal in the price. samples were taken of this milk yesterday, but doubtless the efficiency the method will later be studied by the class in Dairy Bacteriology.

INST. COMM. MEETING

(Continued from page i.) tute Committee. Their request was

voted down after some discussion, as the main desire of the club seemed to be to get the privilege of awarding insignia to their members. It was voted however, that the Athletic Associa-tion be recommended to recognize

this organization.

The following men were elected to serve as the Walker Memorial Committee: Fox '14, Taylor '14, Snow '14, Goodell '15, Werlich '15, and Sabin '15. All these men are requested to be present at the first meeting of this

week at 5 o'clock in the Union.

The following motions were also passed: that a committee be appointed from among the cadet officers to more thoroughly organize the officers of the cadet regiment, said committee to be responsible to the Institute Committee and under the control of the Finance Committee; that the Executive Committee propose amendments to the by-laws so as to more closely define the relations of the Institute Committee to all other organizations; and that the Union Committee be instructed to attend to the placing of a plate on the lantern in the Union.

The representatives from the Naval Architecture and Mining Engineering Societies have failed to pay their dues, and it must be understood that these societies are not constitu-tionally represented till the dues are

paid.
P. E. Hulburd-'17 and M. E. Langley, T. C. A., were absent.

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NEW YORK ENGINEER TALKS

Tech Men Invited To Gathering Of Contestants Write On "Christmas Boston Civil Engineers. For Tech Men" Friday.

On next Wednesday night there will be a meeting of the Sanitary Section of the Boston Society of Civil Engineers. The meeting will be addressed by Dr. George A. Soper, who is chairman of the Metropolitan Sew-erage Commission of New York City. This Commission has charge of the whole drainage system of the metropolis and of Greater New York as well. It is responsible for the present agitation for a new system of sewage disposal in that city, the plan for which involves the building of an island three miles from the shore line, and the disinfection on it of two hundred million gallons of sewage

per day.

Dr. Soper will speak at 8 o'clock. The meeting will be held in the large hall of the Engineers' Club, which is located at 2 Commonwealth avenue,

near Arlington street.

Men will be welcome to enter and take seats in the hall after 7.30. Pro fessor Sedgwick strongly recommends that advanced and graduate students in Courses VI and XI attend the gathering

T. C. A. SPEAKER

(Continued from page 1.)

rich, wrested from the working people, and that the church is putting too much emphasis on creeds and too little on Christianity. Mr. Stockdale will discuss the book as a whole, and the criticisms made of the church. Mr. Stockdale is well known as a man of liberal ideas, and as a leader in the Congregational Church. In many respects, he is a good example of that type of minister whom the author of the book calls "John Hodder."

In discussing Churchill's book and is criticisms, Mr. Stockdale will dea! with a very important and vital problem, the church and the working man That the Union Church pastor is in position to speak on the subject he has chosen is shown by his career, a career in which he came constantly in touch with the middle classes. The last six years, Mr. Stockdale has been pastor of the Union Church on Columubs avenue, which was formed by the merger of two churches, the Union Church and Berkeley Temple, of which he was pastor for four years. This makes a total of ten years' work in the South End of Boston, in a residential section comprising mostly people of the working class. Mr. Stockdale was originally a Methodist minister in the Middie West. He lefthat church and came East, and took the pastorate of a little church in Chelsea, also in the midst of a working class section. He was also minister at the Beachmont Congregational Church previous to accepting the rec-torship of Berkeley Temple, now con-verted into a moving-picture play-house, and known as the Scenic Temple. Before coming to Berkeley Tem-ple he attended the Boston University School of Theology.

FOUND ARTICLES

After the "Chinese Night" meeting of the Cosmopolitan Club in Huntington Hall last Saturday evening, a large number of articles of wearing apparel and several umbrellas were picked up. These may be obtained by making application to Z. Y. Chow the President of the Club.

The Field closes for the winter to-

EDITORIAL SUBJECTS

All men who have entered the Pi Delta Epsilon editorial contest should hand in an editorial today and one on Friday. The articles submitted are due the same days each week. Today's due the same days each week. I oday's editorials may be on any subject. For Friday the subject is "Christmas for Tech Men." Next Tuesday, December 9, the contestants will write on "The : Undergraduates By-laws," a copy of which was published in the issue of THE TECH for Nov. 28.

So far not many men have entered the contest, and only a few suitable editorials have been received. In order to make the competition keener and secure a higher grade of work, more men are needed, but it is essential that anyone who wants to enter do so at once, as the number of editorials submitted by each man, counts in the award of the prize.

Did you leave anything in Huntington Hall Saturday evning?

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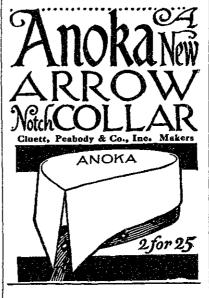
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